

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Canceled.

2. (Currently amended) A power control device ~~according to claim 1,~~
~~wherein comprising:~~

an electric power storage device provided across a power supply line for a load and including the electric power storage device includes at least one electric double layer capacitor (EDLC) bank and a secondary battery combined with the EDLC bank, said EDLC bank including a plurality of parallel-connected rows of EDLC unit cells, each of the rows including a plurality of series-connected EDLC unit cells; and

a control device controlling the electric power storage device so that when an input power to the electric power storage device is interrupted so as to result in a power interrupt, the EDLC bank supplies electric power to the load for an initial period of the power interrupt, and thereafter the secondary battery supplies electric power to the load.

3. (Currently amended) A power control device ~~according to claim 1,~~
~~wherein comprising:~~

an electric power storage device provided across a power supply line for a load and including the electric power storage device includes at least one electric double layer capacitor (EDLC) bank and an aluminum solid electrolytic capacitor combined with the EDLC bank, said EDLC bank including a plurality of parallel-connected rows of EDLC unit cells, each of the rows including a plurality of series-connected EDLC unit cells; and

a control device controlling the electric power storage device so that when an input power to the electric power storage device is interrupted so as to result in a power interrupt, the aluminum solid electrolytic capacitor supplies electric power to the load for an initial period of the power interrupt, and thereafter the EDLC bank supplies electric power to the load.

4. (Currently amended) A power control device ~~according to claim 1, wherein comprising:~~

an electric power storage device provided across a power supply line for a load and including the electric power storage device includes at least one electric double layer capacitor (EDLC) bank, a secondary battery combined with the EDLC bank and an aluminum solid electrolytic capacitor and a secondary battery, the latter two of which are combined with the EDLC bank, said EDLC bank including a plurality of parallel-connected rows of EDLC unit cells, each of the rows including a plurality of series-connected EDLC unit cells; and

a control device controlling the electric power storage device so that when an input power to the electric power storage device is interrupted so as to result in a power interrupt, the aluminum solid electrolytic capacitor supplies electric power to the load for a first initial period of the power interrupt and the EDLC bank supplies electric power to the load for a second initial short period of the power interrupt that occurs immediately after the first initial short period of time, and thereafter the secondary battery supplies electric power to the load.

5. Canceled.

6. (Original) A power control device according to claim 2, wherein each EDLC unit cell has an internal resistance which is at or below 2 m Ω and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below 4 Ω F.

7. (Original) A power control device according to claim 3, wherein each EDLC unit cell has an internal resistance which is at or below $2\text{ m}\Omega$ and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below $4\text{ }\Omega\text{F}$.

8. (Original) A power control device according to claim 4, wherein each EDLC unit cell has an internal resistance which is at or below $2\text{ m}\Omega$ and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below $4\text{ }\Omega\text{F}$.

9. Canceled.

10. (Original) A power control device according to claim 2, wherein when the EDLC bank is used for a primary purpose of electric power storage, each EDLC unit cell has an internal resistance which is at or below $10\text{ m}\Omega$ and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below $100\text{ }\Omega\text{F}$.

11. (Original) A power control device according to claim 3, wherein when the EDLC bank is used for a primary purpose of electric power storage, each EDLC unit cell has an internal resistance which is at or below $10\text{ m}\Omega$ and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below $100\text{ }\Omega\text{F}$.

12. (Original) A power control device according to claim 4, wherein when the EDLC bank is used for a primary purpose of electric power storage, each EDLC unit cell has an internal resistance which is at or below $10\text{ m}\Omega$ and a product of an electrostatic capacity of each EDLC unit cell by the internal resistance thereof is at or below $100\text{ }\Omega\text{F}$.

13. Canceled.

14. (Original) A power control device according to claim 2, wherein a condition expressed by $Y > 100 \times X^{-0.8}$ is met where Y designates an energy density of each EDLC unit cell in Wh/kg and X designates an output density of each EDLC unit cell in W/kg.

15. (Original) A power control device according to claim 3, wherein a condition expressed by $Y > 100 \times X^{-0.8}$ is met where Y designates an energy density of each EDLC unit cell in Wh/kg and X designates an output density of each EDLC unit cell in W/kg.

16. (Original) A power control device according to claim 4, wherein a condition expressed by $Y > 100 \times X^{-0.8}$ is met where Y designates an energy density of each EDLC unit cell in Wh/kg and X designates an output density of each EDLC unit cell in W/kg.

17. (Original) A power control device according to claim 2, wherein the electric power storage device includes at least one secondary battery having an energy density which is at or above 10 Wh/kg.

18. (Original) A power control device according to claim 4, wherein the electric power storage device includes at least one secondary battery having an energy density which is at or above 10 Wh/kg.

19. (Original) A power control device according to claim 3, wherein the electric power storage device includes at least one aluminum solid electrolytic capacitor having an output density which is at or above 10,000 W/kg.

20. (Original) A power control device according to claim 4, wherein the electric power storage device includes at least one aluminum solid electrolytic capacitor having an output density which is at or above 10,000 W/kg.

21. (New) A power control device according to claim 2, wherein the secondary battery has a higher energy density than the EDLC bank.

22. (New) A power control device according to claim 3, further comprising:

an AC/DC converter for receiving AC power from the power supply line and for outputting DC power; and

a DC/AC inverter for receiving the DC power output from the AC/DC converter and for outputting AC power to the load,

wherein the aluminum solid electrolytic capacitor includes means for absorbing a ripple current produced by switching elements of the AC/DC converter and the DC/AC inverter.

23. (New) A power control device according to claim 4, further comprising:

a current setting resistor connected in series to the EDLC bank,

wherein the control device outputs a command to the current setting resistor to change a resistance value thereof, so as to control a charge and discharge state of the EDLC bank.